THE PLANT DISEASE REPORTER

Issued By

THE PLANT DISEASE SURVEY

Division of Mycology and Disease Survey

BUREAU OF PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING

AGRICULTURAL RESEARCH ADMINISTRATION

UNITED STATES DEPARTMENT OF AGRICULTURE

SUPPLEMENT 189

INDEX TO SUPPLEMENTS 180-188, 1949

Supplement 189 Issued May 15, 1950

The Plant Disease Reporter is issued as a service to plant pathologists throughout the United States. It contains reports, summaries, observations, and comments submitted voluntarily by qualified observers. These reports often are in the form of suggestions, queries, and opinions, frequently purely tentative, offered for consideration or discussion rather than as matters of established fact. In accepting and publishing this material the Division of Mycology and Disease Survey serves merely as an informational clearing house. It does not assume responsibility for the subject matter.

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Plant Industry Station Beltsville, Maryland

INDEX TO PLANT DISEASE REPORTER SUPPLEMENTS 180-188, 1949

Compiled by Nellie W. Nance

Plant Disease Reporter
Supplement 189

Index to Supplements
1949

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Supplement 180. Cantaloupe mosaic investigations in the Imperial Valley. pp. 1-15. January 30, 1949. The University of California, the U. S. Department of Agriculture and the Cantaloupe Pest Control Committee of the Imperial Valley cooperating. The results of preliminary investigations by staff members assigned to the project are reported in this Supplement. See its table of contents and author index below.

Supplement 181. Nation-wide results with fungicides in 1948, fourth annual report. pp. 17-87. March 15, 1949. Compiled by the Fungicide Committee of the American Phytopathological Society: Sub-Committee on "Summation of the Performance of Newer Fungicides". See its table of contents and author index below.

Supplement 182. Fungicidal and phytotoxic properties of 506 synthetic organic compounds. pp. 89-109. March 30, 1949. By M. C. Goldsworthy and S. I. Gertler.

Supplement 183. Second annual report of the special committee on the coordination of field tests with new fungicidal sprays and dusts, with reference to the results obtained in 1948. pp. 111-177. April 15, 1949. Foreword and crop fungicide tests by various authors; see its table of contents and author index.

Supplement 184. New or unusual records and outstanding features of plant disease development in the United States in 1948. pp. 179-206. April 30, 1949. Compiled by Nellie W. Nance.

Supplement 185. Preliminary estimates of acreages of crop lands in the United States infested with some organisms causing plant diseases. pp. 207-252. August 1, 1949. Compiled by Paul R. Miller and Nellie W. Nance from reports of collaborators of the Plant Disease Survey.

Supplement 186. Losses from plant diseases: effects on crop industries and on farm life. pp. 253-282. September 15, 1949. Introduction by Jessie I. Wood and Paul R. Miller; contributions from collaborators and from county agents; see author index.

Supplement 187. Cantaloupe mosaic investigations in the Imperial Valley, 1949. pp. 283-296. December 15, 1949. This work is a continuation of that reported in Supplement 180. See its table of contents and author index below.

Supplement 188. The Plant Disease Warning Service in 1949. pp. 297-314. December 15, 1949. By Paul R. Miller and Muriel O'Brien.

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ERRATA

On page 44, the first line under FRUIT ROTS, read Guignardia and Acanthorhyncus instead of Guignardia and Acanthorynchus.

CORRECTIONS FOR SUPPLEMENT 181
(From PDR 33(5):235)

I. Dr. J. W. Heuberger sends in the following corrections to be made in Supplement 181:

1. On page 56 under TENNESSEE under BUCKEYE ROT. The first part of the fifth line now reads "...were no better than the Untreated". Please take the period out after Untreated and add the following: "...except for COCS dust which reduced Buckeye Rot to 13.4% when the Untreated had 19.6%, and which reduced the percentage of total fruit rots to 19.6% when the Untreated had 29.8%. However, COCS dust was applied at a much higher rate (93 pounds of metallic copper being applied per acre) than the other dusts."

2. The following corrections should be made in the list of chemicals according to Dr. S. E. A. McCallan:

"There is no corpound 163 containing a mixture of

glyoxalidines, manufactured by Carbide & Carbon, possibly 169, a chromate is what is meant. Compound 531 is a chromate, not a mixture of glyoxalidines. 'Goodrite ZAC, zinc methyl dithiocarbomate Du Pont' is listed. The chemistry and manufacturer are wrong. Listed under ZAC the chemistry is right but manufacturer omitted. This a Goodrich product. Standen 307 is or was also a Goodrich product."

3. In the summary of the vegetable work, make the following changes:

(a) On page 63 under No. 2, insert "in a few tests" between phytotoxic and when so that the first line in No. 2 will read as follows: "The fact that Parzate was phytotoxic in a few tests when.....".
(b) On page 63 for CHROMATE 653 change the last sentence to read as follows: "It was injurious to tomatoes and slightly so to potatoes".

II. Dr. D. E. Ellis adds the following:

The statement in paragraph 1 at the top of page 63 "Anthracnose - North Carolina -" and under "Spergon", page 64 "- and in North Carolina -" apply to Chinese cabbage (Brassica pekinensis Rupr.) rather than to common cabbage (B. oleracea var. capitata L.)

On page 77, paragraph 3 under "Green beans, root-knot, North Carolina -": The materials used were DD, Iscobrome D (instead of Dowfume W-40) and chloropicrin, and each was applied at rates of 200, 400, and 600 pounds per acre (approximately equivalent to 20, 40 and 60 gallons per acre of DD, 27, 54 and 81 g. p. a. of Iscobrome D, and 15, 30 and 45 g. p. a. of chloropicrin).

Trademarks
(From PDR 33(10):404-405)

Ward, Blenkinsop and Co. Ltd., 6 Henrietta Place, London, W. I., send the following communication:

"Our attention has been drawn to the List of fungicides contained in Supplement 181, March 1949, of the Plant Disease Reporter. In this list you include Phenyl Mercury Fixtan as a mixture of Phenyl Mercury Hydroxide and Naphthalene Sulphonic Acid, manufactured by Imperial Chemical Industries Ltd. (PHENYL MERCURY) FIXTAN is our trade mark and manufactured by us. It is not a mixture of Phenyl Mercury Hydroxide and Naphthalene Sulphonic Acid, but the phenyl mercuric salt of 2,2'-dinaphthylmethane - 3,3 -disulfonic acid (Ind. & Eng. Chem. 41, 820, 1949).

"As described in the above reference it is a compound with affinity to fibres. It has not been submitted to any official tests by us, or with our authorisation, in fact the commercial formulation as marketed by us was not completed before March 1949, and it is therefore extremely unlikely that our compound was in fact tested for agricultural purposes by any of your co-operators.

"Because of its highly desirable properties e.g. water solubility and anchoring, the material is at present undergoing various preliminary tests for agricultural purposes, and we shall be pleased to submit any reasonable quantity for trials."